UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

## NOTICE OF ALLOWANCE AND FEE(S) DUE

25227

7590

10/22/2007

MORRISON & FOERSTER LLP 1650 TYSONS BOULEVARD SUITE 400 MCLEAN, VA 22102

EXA	MINER
PRINC	CE, KAJLI
ART UNIT	PAPER NUMBER
2874	

**DATE MAILED: 10/22/2007** 

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/565 674	05/30/2006	Thomas Bierhoff	449122086300	5537

TITLE OF INVENTION: RAY TRACING IN DISCONTINUOUS MULTIMODE CHANNEL WAVEGUIDES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	01/22/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT? PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS! THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### **HOW TO REPLY TO THIS NOTICE:**

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS. This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	correspondence includir ed below or directed oth	ng the Patent, advance of the Patent, advance of the Patent, advance of the Patent I, by (a	rders and notification of a) specifying a new cor	f maintenance feet respondence addre	will be ss; and/o	mailed to the current or (b) indicating a separate	correspondence address as rate "FEE ADDRESS" for
		ock 1 for any change of address)	F	ee(s) Transmittal. '	This certi nal pape	ficate cannot be used for	r domestic mailings of the or any other accompanying nt or formal drawing, must
25227	7590 10/22	/2007					mission
1650 TYSONS SUITE 400		P	I S ad tr	hereby certify that tates Postal Service ddressed to the Mansmitted to the U	this Fee with su ail Stop SPTO (57	e of Mailing or Transr (s) Transmittal is being fficient postage for firs ISSUE FEE address 71) 273-2885, on the da	deposited with the United t class mail in an envelope above, or being facsimile atte indicated below.
MCLEAN, VA	22102						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	OR	ATTO	DRNEY DOCKET NO.	CONFIRMATION NO.
10/565,674	05/30/2006		Thomas Bierhoff			449122086300	5537
TITLE OF INVENTION	I: RAY TRACING IN D	ISCONTINUOUS MUL1	TIMODE CHANNEL W	AVEGUIDES			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	E PREV. PAID IS:	SUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0		\$1740	01/22/2008
EXAMINER		ART UNIT	CLASS-SUBCLASS				1
PRINCE, KAJLI 2874 385-146000							
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.  2. For printing on the patent front page, list  (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.							
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	less an assignee is ident th in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON ified below, no assignee oletion of this form is NO categories (will not be presented to be presented)	data will appear on the T a substitute for filing a (B) RESIDENCE: (Cl'	patent. If an assi an assignment. TY and STATE OF	COUN	ΓRY)	ocument has been filed for
4a. The following fee(s)  Issue Fee	are submitted:	41	b. Payment of Fee(s): (P. A check is enclosed		any pre	viously paid issue iee s	nown above)
	No small entity discount p	permitted)	Payment by credit of		38 is att	ached.	,
	# of Copies		The Director is here overpayment, to De	by authorized to cl posit Account Nun	narge the	required fec(s), any def (enclose an	iciency, or credit any extra copy of this form).
5. Change in Entity Sta	tus (from status indicated	•	☐ h Applicant is no l	onger claiming SM	AII EN	TITY status. See 37 CF	R 1.27(a)(2)
NOTE: The Issue Fee an	d Publication Fee (if requ	uired) will not be accepte	d from anyone other that				e assignee or other party in
interest as shown by the	records of the United Sta	tes Patent and Trademark	Office.			•	
Authorized Signature				Date			
Typed or printed nam	e			Registration	1 No		
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223 Under the Paperwork Re	13-1450.						by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450, number



### UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/565,674	05/30/2006		/2006 Thomas Bierhoff		5537		
25227	, 7590	10/22/2007		EXAM	EXAMINER		
MORRISON 4			PRINCE	PRINCE, KAJLI			
1650 TYSONS			ART UNIT	PAPER NUMBER			
SUITE 400 MCLEAN, VA	22102			2874 DATE MAILED: 10/22/200	7		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.